

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/EP2004/009529

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A23F5/10 A23F5/46 A23L1/234 A23F5/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A23F A23L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, FSTA, PAJ, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ARGAIZ A ET AL: "Quantitative descriptive flavor profile of five brewed Mexican coffees" FSTA, 1997, XP002271954 abstract	1-8, 11-13
X	DATABASE WPI Section Ch, Week 199246 Derwent Publications Ltd., London, GB; Class D16, AN 1992-377558 XP002271957 & JP 04 278072 A (KANEBO LTD) 2 October 1992 (1992-10-02) abstract	1-8, 10-17

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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the International filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the International search

12 January 2005

Date of mailing of the International search report

28/01/2005

Name and mailing address of the ISA

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PCT/EP2004/009529

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE FSTA 'Online! INTERNATIONAL FOOD INFORMATION SERVICE (IFIS), FRANKFURT/MAIN, DE; 2000, SOARES M ET AL: "Fruity flavour production by Ceratocystis fimbriata grown on coffee husk in solid-state fermentation." XP002271955 Database accession no. 2000-00-b0966	1-8, 10-13
Y	abstract	14-17
A	-& SOARES ET AL: PROCESS BIOCHEMISTRY, vol. 35, no. 8, 2000, pages 857-861, XP001179854	9,18,19
A	EP 0 791 296 A (NESTLE SA) 27 August 1997 (1997-08-27) cited in the application	1-8, 10-13
Y	column 3, line 5 - line 13	14-17
Y	US 4 867 992 A (BONIELLO BARBARA ET AL) 19 September 1989 (1989-09-19) cited in the application column 1, line 10 - column 2, line 35; claims	1-8, 10-17
Y	DATABASE EMBASE 'Online! ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL; 1 July 2003 (2003-07-01), HAUCK T ET AL: "Formation of 4-hydroxy-2,5-dimethyl-3'2H-furanone by Zygosaccharomyces rouxii: Identification of an intermediate" XP002271956 Database accession no. EMB-2003291945 abstract & APPLIED AND ENVIRONMENTAL MICROBIOLOGY 01 JUL 2003 UNITED STATES, vol. 69, no. 7, 1 July 2003 (2003-07-01), pages 3911-3918, ISSN: 0099-2240	1-8, 10-17
A	LEE K G; SHIBAMOTO T: "Analysis of volatile components isolated from Hawaiian green coffee beans (Coffea arabica L.)" FLAVOUR AND FRAGRANCE JOURNAL, vol. 17, 15 April 2002 (2002-04-15), pages 349-351, XP009031885 Table 1; Results and Discussion table 1	9,18,19

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DATABASE WPI Section Ch, Week 198825 Derwent Publications Ltd., London, GB; Class D13, AN 1988-169864 XP002271958 & HU 44 914 A (TIMAR G) 30 May 1988 (1988-05-30) abstract	1-8, 10-17
A	US 2002/058092 A1 (HOVING HENDRIK DERK ET AL) 16 May 2002 (2002-05-16) table 2	9, 18, 19
A	EP 0 326 740 A (GEN FOODS CORP) 9 August 1989 (1989-08-09) p.5, table	9, 18, 19
A	US 5 008 125 A (CALE KENNETH W ET AL) 16 April 1991 (1991-04-16) column 3, lines 62-68; claim 1; tables	9, 18, 19
A	DATABASE FSTA 'Online! INTERNATIONAL FOOD INFORMATION SERVICE (IFIS), FRANKFURT-MAIN, DE; 1997, HEE-JUN BAIK ET AL: "Studies on the aroma components of roasted and ground coffee." XP002284838 Database accession no. 97-1-06-h0159 abstract	9, 18, 19

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/EP2004/009529

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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EP 0326740	A	09-08-1989	US 4794010 A AT 91388 T AU 2375988 A CA 1328190 C CN 1034657 A ,B DE 3882355 D1 DE 3882355 T2 DK 552288 A EP 0326740 A1 ES 2041807 T3 FI 884452 A ,B, IE 62274 B1 JP 1202248 A JP 2725811 B2 KR 9607096 B1 NO 884514 A ,B, PH 24981 A	27-12-1988 15-07-1993 03-08-1989 05-04-1994 16-08-1989 19-08-1993 27-01-1994 03-08-1989 09-08-1989 01-12-1993 03-08-1989 25-01-1995 15-08-1989 11-03-1998 27-05-1996 03-08-1989 26-12-1990
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Information on patent family members

International Application No
PCT/EP2004/009529

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